

MD 45 IS ASSUMED TO RUN  
IN A NORTH / SOUTH DIRECTION

#### PROPOSED SIGNS



W11-2  
(36" x 36")  
W16-7PR  
(30" x 18")



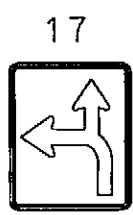
W11-2  
(36" x 36")  
W16-7PL  
(30" x 18")

#### EXISTING SIGNS

13  
Cross Campus Dr

14  
Terrace Dale Dr

15  
York Rd

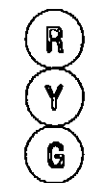


#### PROPOSED VIDEO DETECTION

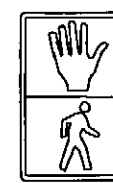
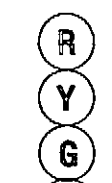
a, b

#### EXISTING SIGNALS

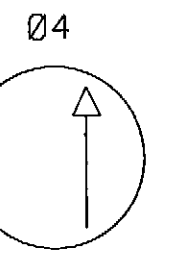
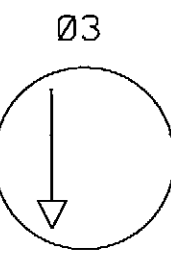
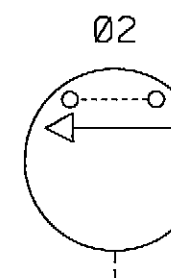
1,2,3,  
4,6,8



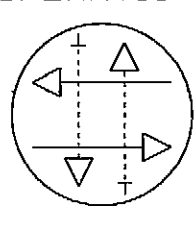
5,7



#### NEMA PHASING

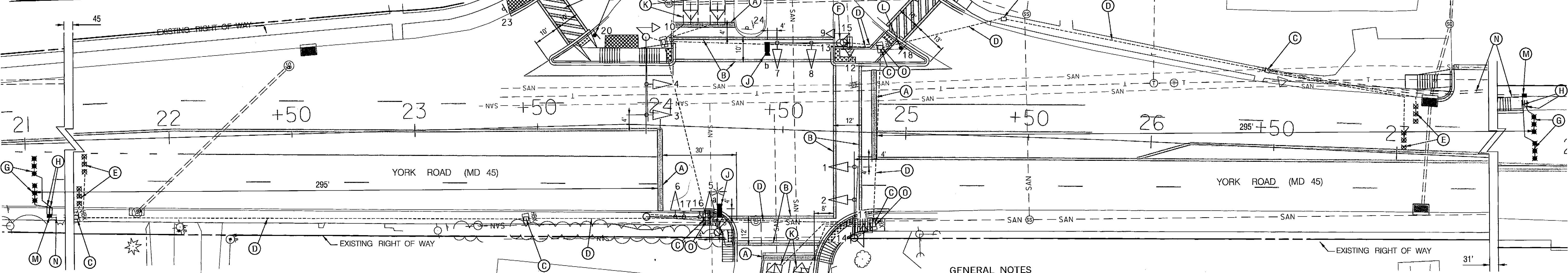


#### FLASHING OPERATION



NOTE:  
PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.  
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

TO BALTIMORE CITY



#### CONSTRUCTION DETAILS

- INSTALL 24 IN. WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.
- INSTALL 12 IN. WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR CROSSWALKS.
- USE EXISTING HANDHOLE.
- USE EXISTING CONDUIT.
- DISCONNECT AND ABANDON EXISTING MICRO-LOOP PROBE SET, REMOVE CABLES FROM EX. CONDUITS, EX. HANDHOLES, EX. SIGNAL STRUCTURES AND CONTROLLER.
- USE EXISTING POLE MOUNTED CABINET AND EX. CONTROLLER.
- INSTALL MICROLOOP PROBES WITH 1,000 FT. LEAD-IN CABLE. (TO BE PLACED IN THRU LANE ONLY).
- INSTALL 1 IN. LIQUID-TIGHT FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT. (FOR DETECTOR WIRE SLEEVE).
- INSTALL VIDEO DETECTION CAMERA ON EXISTING MAST ARM.
- DISCONNECT AND ABANDON EXISTING LOOP DETECTOR CABLES REMOVE CABLES FROM EX. CONDUITS, EX. HANDHOLES, EX. SIGNAL STRUCTURES AND EX. CONTROLLER.
- INSTALL GROUND MOUNTED SIGN ON 4"X 6" WOOD SUPPORTS.
- INSTALL ELECTRICAL HANDHOLE.
- INSTALL 3" PVC SCHEDULE 80 ELECTRICAL CONDUIT-BORED.
- ADJUST EXISTING HANDHOLE TO PROPOSED RAMP GRADE.

#### GENERAL NOTES

- FOR FINAL PAVEMENT MARKINGS AND PROPOSED SIGNAGE, OTHER THAN THOSE DETAILED ON THE PLAN, REFER TO THE PAVEMENT MARKING PLANS.
- ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.
- ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE PROJECT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLES TO THE APPROPRIATE TERMINALS AND PROPERLY LABELING EACH CABLE.
- THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
- VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE SHA.

#### GEOMETRIC LEGEND

--- EXISTING  
--- PROPOSED

#### UTILITY LEGEND

--- SD --- STORM DRAIN  
--- C --- GAS MAIN  
--- W --- WATER MAIN  
--- SAN --- SEWER MAIN  
--- E --- ELECTRIC CABLES  
--- A --- AERIAL CABLES  
--- T --- TELEPHONE CABLES  
--- FO --- FIBER-OPTIC

SHA

STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
MD 45 (YORK ROAD)  
AT CROSS CAMPUS DR.  
TOWSON, MARYLAND

#### TRAFFIC SIGNAL PLAN

SCALE 1" = 20' DATE CONTRACT NO.

DESIGNED BY COUNTY BALTIMORE  
DRAWN BY LOGMILE 0304501.29  
CHECKED BY T.I.M.S. NO.  
F.A.P. NO. TOD NO.

TS NO. 3907B, DRAWING NO. SG - 2 OF 6 SHEET NO. 31 OF 35

PREPARED BY  
**URS**  
HUNT VALLEY, MARYLAND

APPROVALS  
TEAM LEADER  
ASST. DIV. CHIEF  
DIVISION CHIEF  
OFFICE DIRECTOR

REVISIONS  
1. REPLACE MICROLOOP PROBES AND INSTALL VIDEO DETECTION  
SHA NO. B4575577  
TMS# 1728  
URS ISBY  
A INSTALL SIDE STREET SPLIT PHASING  
42602

PLOTTED: Monday, October 03, 2011 AT 08:08 AM  
FILE: O:\20083011\CAD\Traffic\pSG\_P002\_MD45.dgn